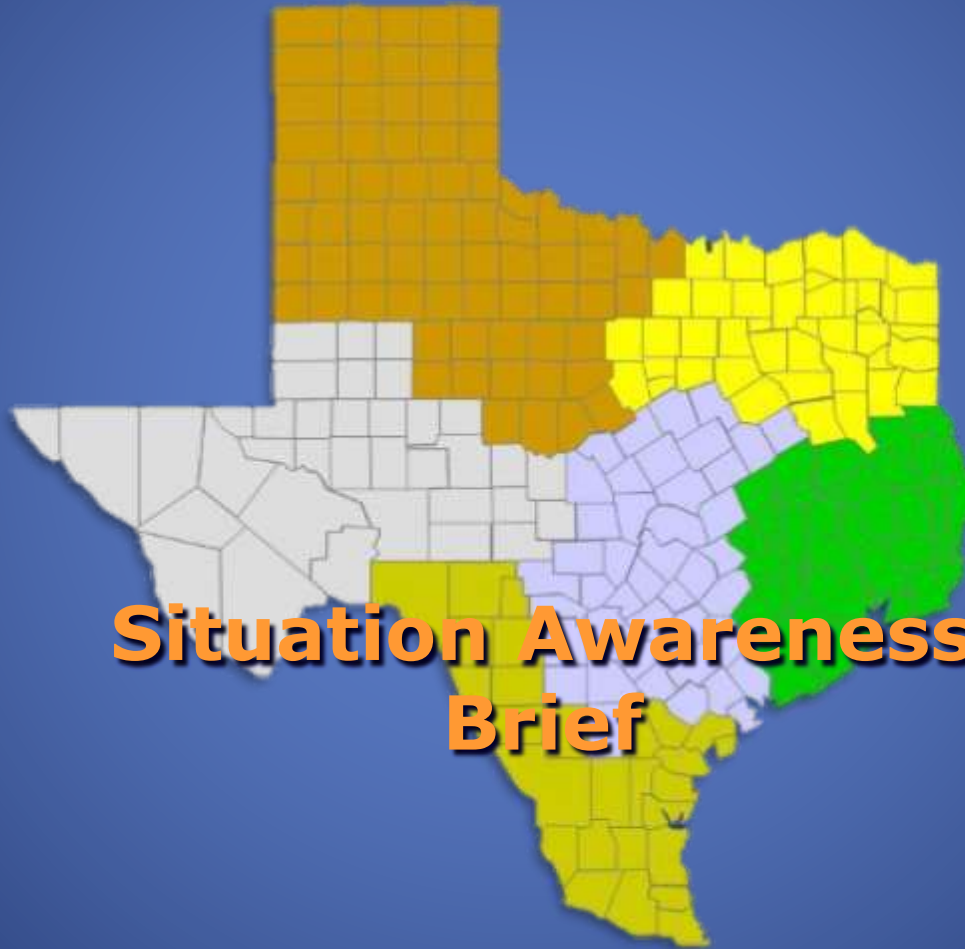


# **Texas Division of Emergency Management Texas State Operations Center**



## **Situation Awareness Brief**



**Tuesday, March 16th, 2021  
As of 0900 CST**

# Incidents Reported to the State Operations Center (last 24 hours)

DATE	SUBJECT	LOCATION	Final Report (Y/N)
03/15/21	Initial Report of the Lake Bellmead Grass Fire	McLennan County	N
03/15/21	Initial Report of a Road Closure (US-277)	Val Verde County	N
03/15/21	Final Report of the Lake Bellmead Grass Fire	McLennan County	Y
03/15/21	Update Report of a Road Closure (US-277)	Val Verde County	N
03/15/21	Preliminary Earthquake Report (M2.5)	Ector County	Y
03/15/21	Preliminary Earthquake Report (M2.8)	Ector County	Y
03/16/21	Final Report on the Road Closure (US 277)	Val Verde County	Y

# Informational Products

## Distributed by the State Operations Center

DATE	SUBJECT
03/15/21	Hazards Correction
03/15/21	NWS Lake Charles: Weather Update - 12 PM Mon
03/15/21	Texas A&M Forest Service: Texas Fire Potential Update
03/15/21	NWS Brownsville: Weather Update - Fire Weather
03/15/21	NWS El Paso: Monday March 15 - High Wind Video Brief
03/15/21	NWS Houston/Galveston: Severe Weather Outlook for Tuesday/Wednesday
03/15/21	NWS Austin/San Antonio: Strong to Severe Thunderstorms Possible Late Tuesday Night - Situation Report
03/15/21	Silver Alert Activation - Clyde Police Department – West
03/16/21	Texas A&M Forest Service: Texas Fire Cost Report - 3/15/2021
03/16/21	CLEAR Alert Discontinuation - San Antonio Police Department – Burchfield
03/16/21	NWS Amarillo: Public Information Statement - NWS Damage Survey for 03/13/21 Tornado Event Update #2

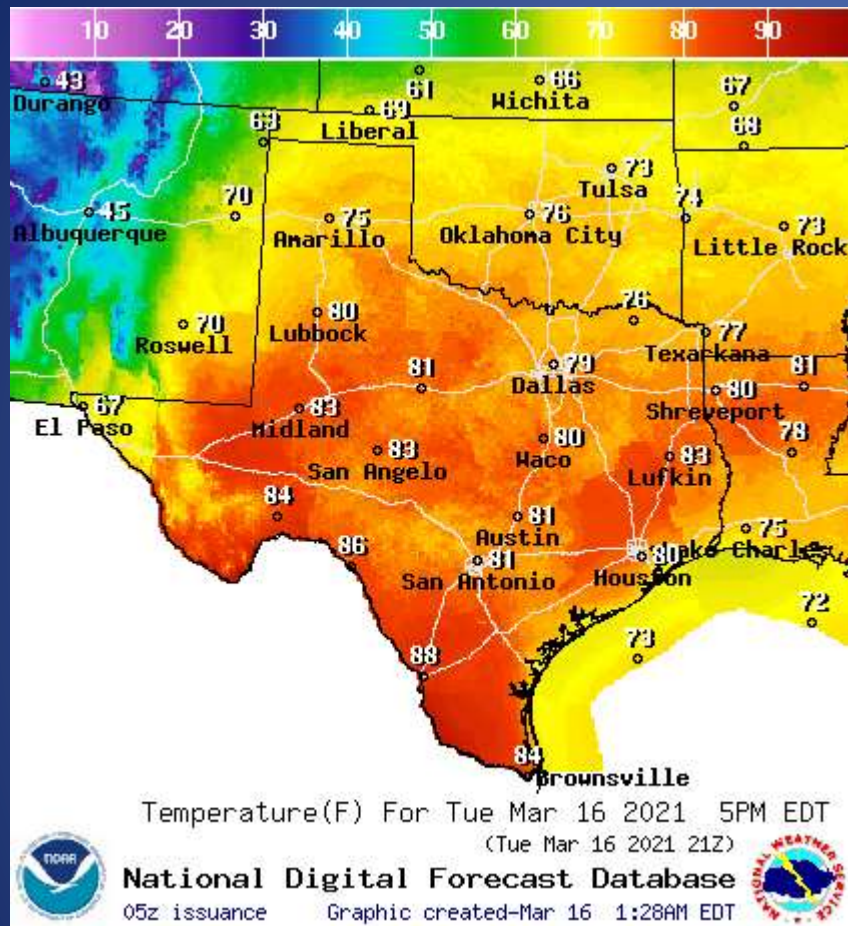
# Informational Products

## Distributed by the State Operations Center

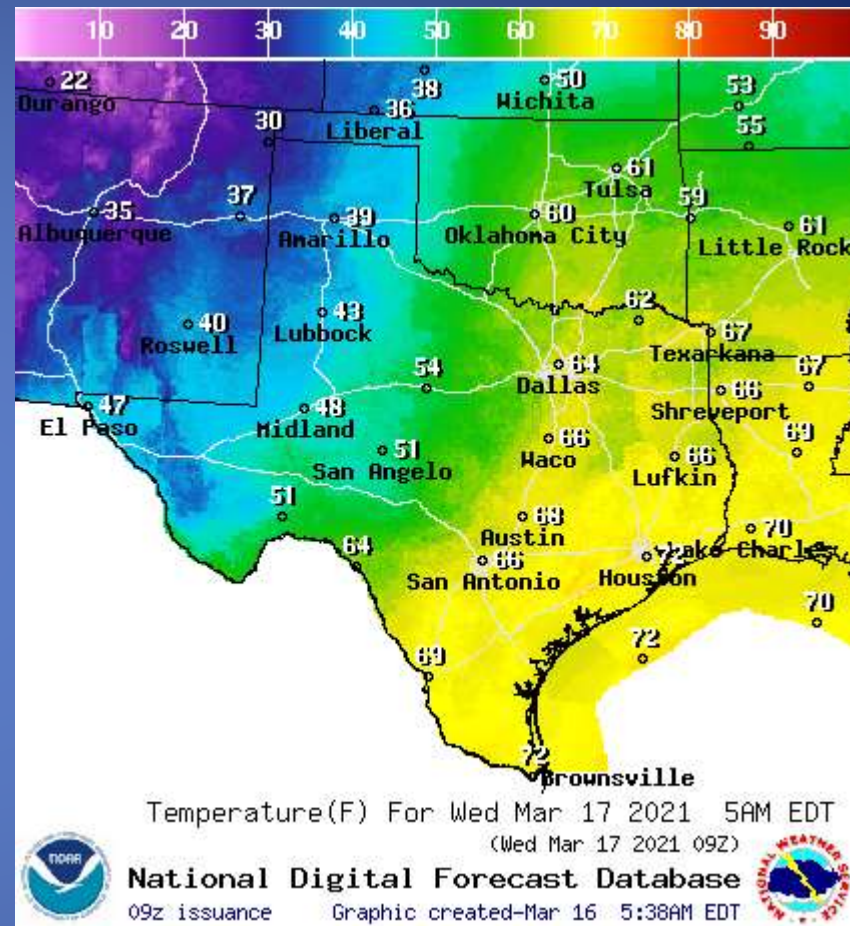
DATE	SUBJECT
03/16/21	NWS Amarillo: Public Information Statement - NWS Damage Survey for 03/13/21 Tornado Event Update #1
03/16/21	NWS Amarillo: Public Information Statement - NWS Damage Survey for 03/13/21 Tornado Event, 031621
03/16/21	NWS Amarillo: Public Information Statement Corrected - NWS Damage Survey for 03/13/21 Tornado Event Update #2
03/16/21	NWS Austin/San Antonio: Strong to Severe Thunderstorms Possible Early Wednesday Morning - Situation Report
03/16/21	NWS Shreveport, LA: Severe Weather Risk for March 16-17, 2021
03/16/21	Daily NWS Threat Brief for Tuesday, March 16, 2021 for FEMA Region 6



# Weather Forecast

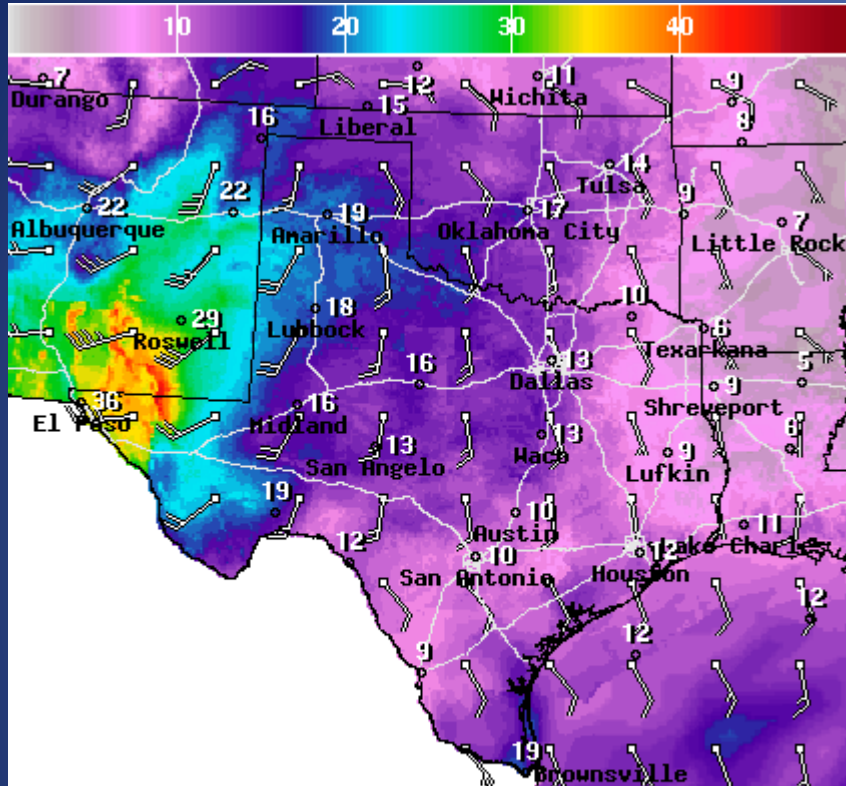


## Highs



## Lows

# Weather Forecast

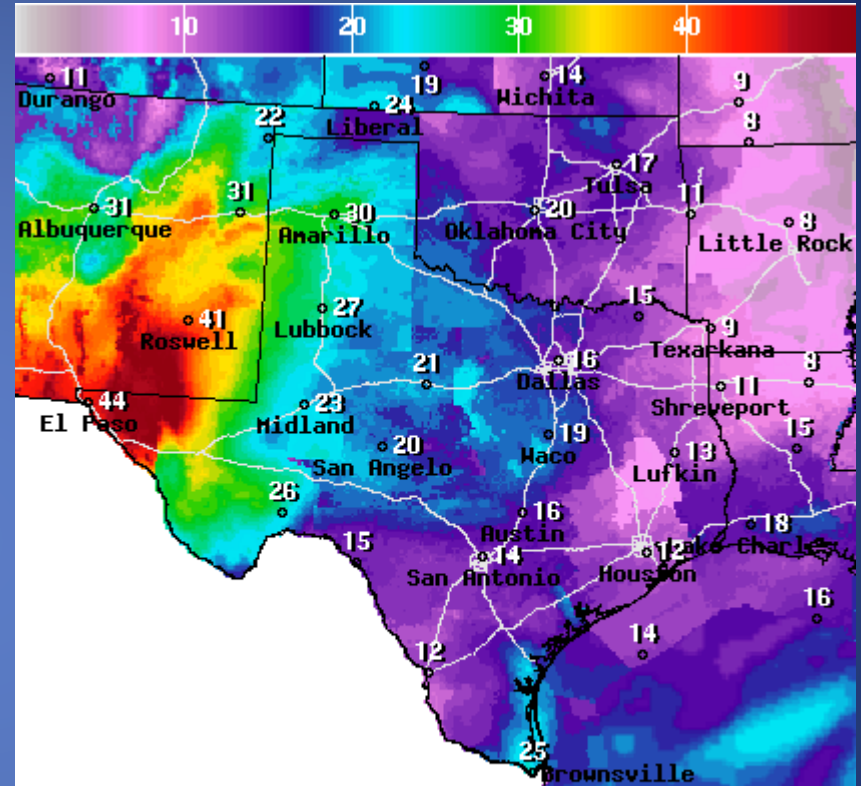


National Digital Forecast Database

05z issuance Graphic created-Mar 16 1:35AM EDT



## Wind Speeds



National Digital Forecast Database

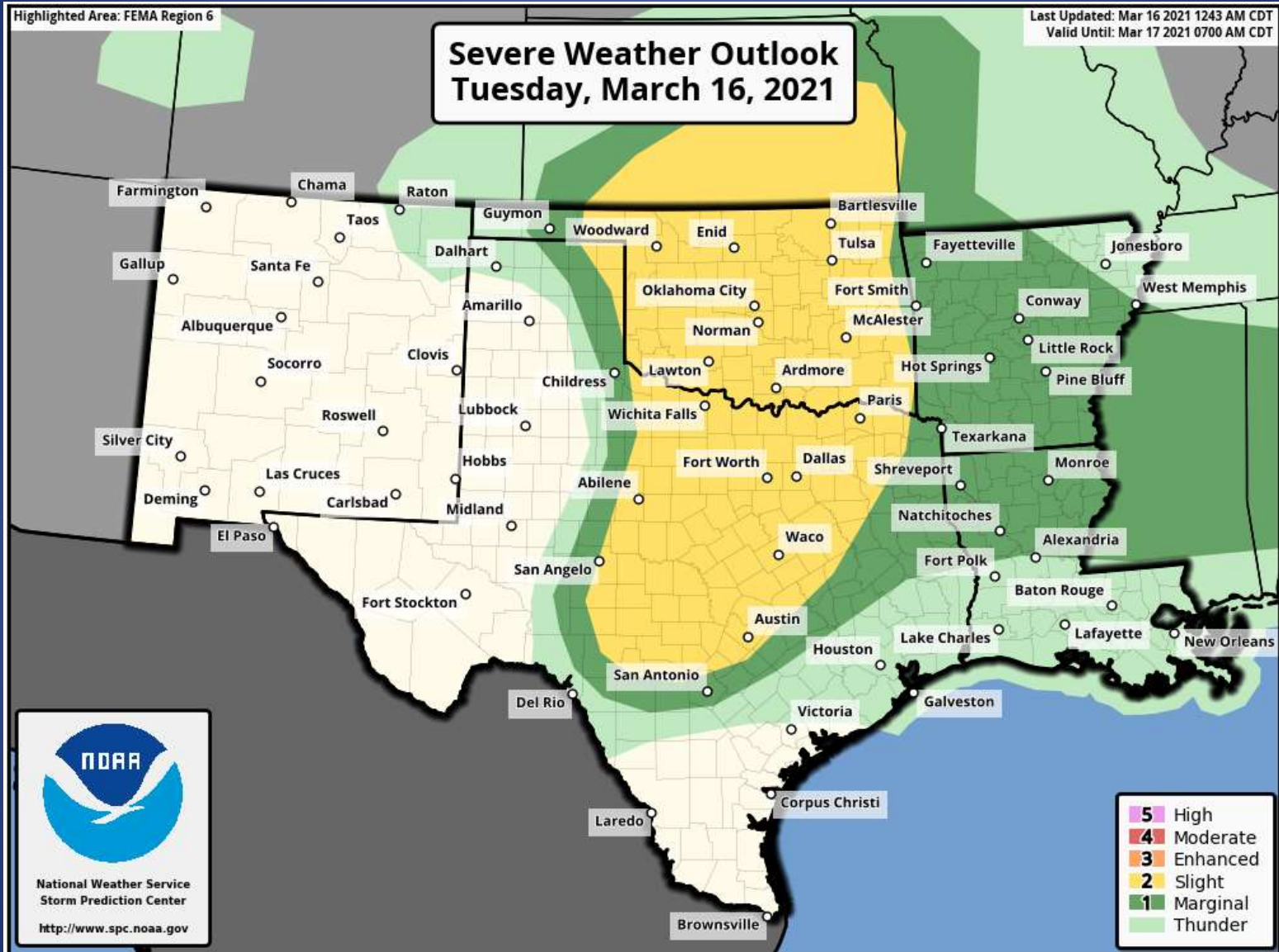
09z issuance Graphic created-Mar 16 5:48AM EDT



## Gusts



# Hazardous Weather



# Hazardous Weather

## Critical Fire Conditions Possible

Any fires may spread rapidly | Outdoor burning is not recommended.

Weather Forecast Office  
Corpus Christi, TX

Issued Mar 15, 2021 2:41 PM CDT



### Fire Weather Watch

In Effect for Wed morning through  
Wed Evening

- NW winds gusting up to 30 mph
- Very dry conditions



f t @NWSCorpus

weather.gov/crp

## Fire Weather Watch

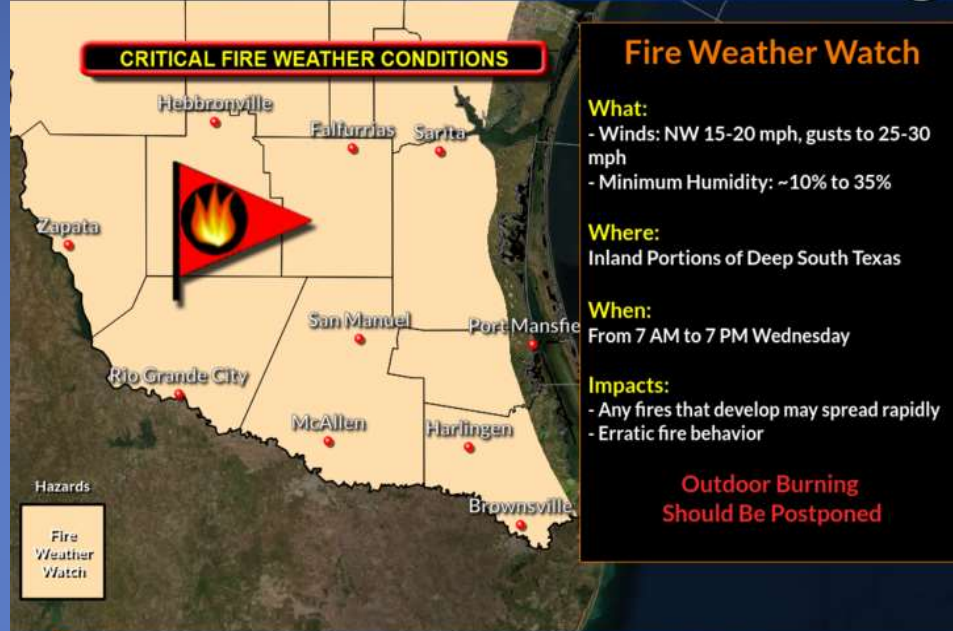
Critical Fire Weather Conditions Possible Wednesday

Weather Forecast Office  
Brownsville/RGV, TX

Issued Mar 16, 2021 4:36 AM CDT



### CRITICAL FIRE WEATHER CONDITIONS



### Fire Weather Watch

#### What:

- Winds: NW 15-20 mph, gusts to 25-30 mph
- Minimum Humidity: ~10% to 35%

#### Where:

Inland Portions of Deep South Texas

#### When:

From 7 AM to 7 PM Wednesday

#### Impacts:

- Any fires that develop may spread rapidly
- Erratic fire behavior

**Outdoor Burning  
Should Be Postponed**

f t @NWSBrownsville

weather.gov/rgv

A Fire Weather Watch is in effect for Wednesday morning through Wednesday afternoon across the Rio Grande Plains to the interior portions of the Coastal Plains. Northwest winds around 20 mph gusting to 30 mph will be possible Wednesday behind a cold front. Drier conditions will filter into the area with RH values ranging from 10-25% across central and western portions of South Texas. The combination of the wind, dry conditions and cured vegetation may lead to critical fire weather conditions for Wednesday. Any fires that develop will likely spread rapidly. Outdoor burning is not recommended.

Elevated to critical fire conditions are forecast to develop Wednesday in wake of the cold front. The passage of the cold front Wednesday brings in much lower humidity and moderate to strong winds for much of Deep South Texas. With the area in severe to exceptional drought and abundant dry fuels across the region, especially after the February freeze, citizens are urged not to burn trash or dry leaf litter, and not to drive or park recreational or work vehicles in tall dry grassy areas. Any fires that develop will have the tendency to grow and spread rapidly.



# Hazardous Weather

## Red Flag Warning

Critical Fire Weather Conditions expected Tuesday afternoon

Weather Forecast Office

Lubbock, TX

Issued Mar 15, 2021 2:01 PM CDT



NWSLubbock

weather.gov/lub

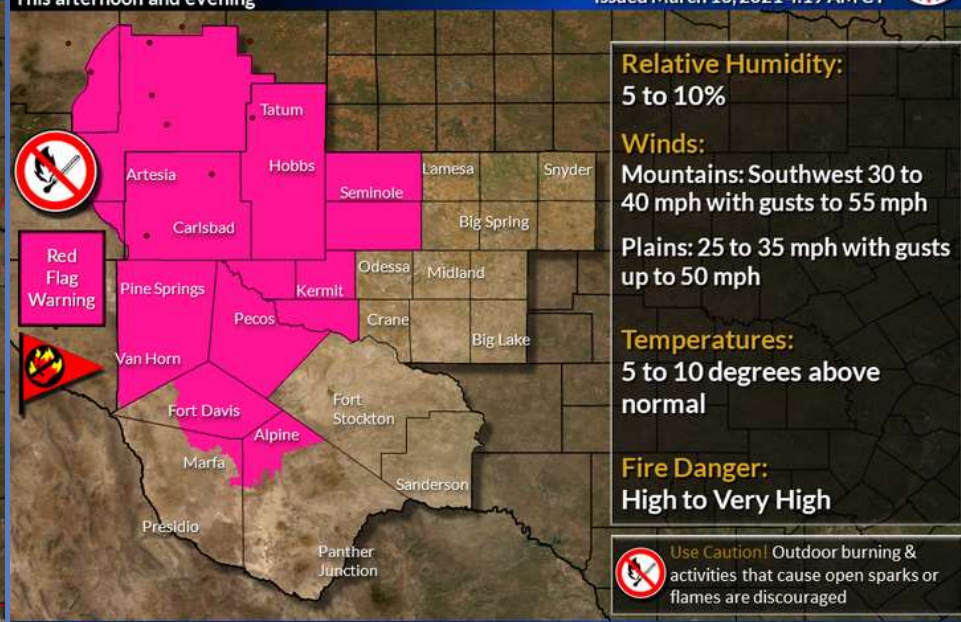
## Red Flag Warning for Today

This afternoon and evening

Weather Forecast Office

Midland/Odessa, TX

Issued March 16, 2021 4:19 AM CT



NWSMidland

weather.gov/maf

A Red Flag Warning has been issued for the western South Plains and the western areas of the extreme southern Texas Panhandle for Tuesday afternoon. Critical fire weather conditions are expected as southwesterly winds increase to 20-30 mph, with locally higher gusts, and relative humidity between 6-10 percent. Outdoor burning is highly discouraged as conditions will be favorable for rapid fire growth and spread.

Red Flag Warning for this afternoon and evening. Please avoid any burning in the warned area as fire weather conditions are prime for rapid fire spread due to very low humidity, very warm temperatures, and very windy conditions.

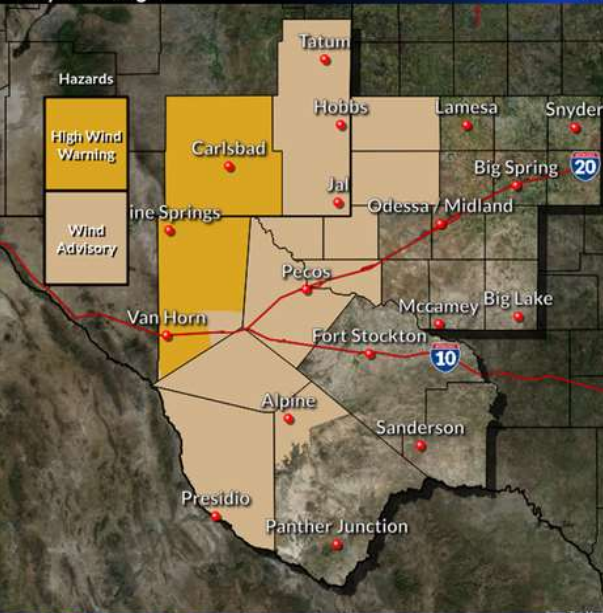


# Hazardous Weather

## High Wind Warning and Wind Advisory

Today and Tonight

Weather Forecast Office  
Midland/Odessa, TX  
Issued March 16, 2021 4:42 AM CT



**High Wind Warning**  
across... Guadalupe and Delaware Mountains, Eddy and Culberson County plains

### Winds

- West 35 to 60 mph
- Gusts up to 85 mph in the mountains, 65 mph in the plains

### Wind Advisory

- Southwest 30 to 40 mph with gusts to 55 mph

### Impacts

- Severe aircraft turbulence possible
- High profile vehicles may be difficult to control

NWSMidland

[weather.gov/maf](http://weather.gov/maf)



## Severe Thunderstorms Possible Tonight

**Thunderstorms are possible after 9 PM CDT tonight**

Some of these thunderstorms may become strong to severe

### Possible Storm Hazards:

**Damaging winds**  
**A Possible Tornado**  
**Large Hail**



**NWS San Angelo**

**High Wind Warning is in effect today and tonight for the Guadalupe and Delaware Mountains, as well as the plains of Eddy and Culberson County. A Wind Advisory is in effect for Lea County, the Western Permian Basin, Upper Trans Pecos, Davis Mountains, and Marfa Plateau.**

**A line of thunderstorms may develop after 9 PM CDT tonight. This line will be capable of producing a tornado, damaging winds, and large hail.**

# Hazardous Weather

## Isolated Afternoon Thunderstorms Victoria Crossroads Today

Weather Forecast Office  
Corpus Christi, TX



Areas of Fog This Morning then Mostly Cloudy

Issued Mar 16, 2021 5:28 AM CDT



NWSCorpus

weather.gov/crp

Areas of fog this morning, then becoming mostly cloudy. A weak upper level disturbance and sufficient moisture will contribute to isolated showers and thunderstorms, primarily over the Victoria Crossroads this afternoon. Warm, with highs from the mid 70s coast to around 90 near the Rio Grande.

## Isolated to Scattered Showers/Thunderstorms Tonight

Weather Forecast Office  
Corpus Christi, TX



Patchy Fog over the Bays and Nearshore Coastal Waters

Issued Mar 16, 2021 5:41 AM CDT



NWSCorpus

weather.gov/crp

An approaching upper-level disturbance and associated cold front will contribute to isolated to scattered showers and thunderstorms over South Texas Tonight. Patchy fog over the bays and nearshore coastal waters, mainly before midnight. Lows in the 60s.

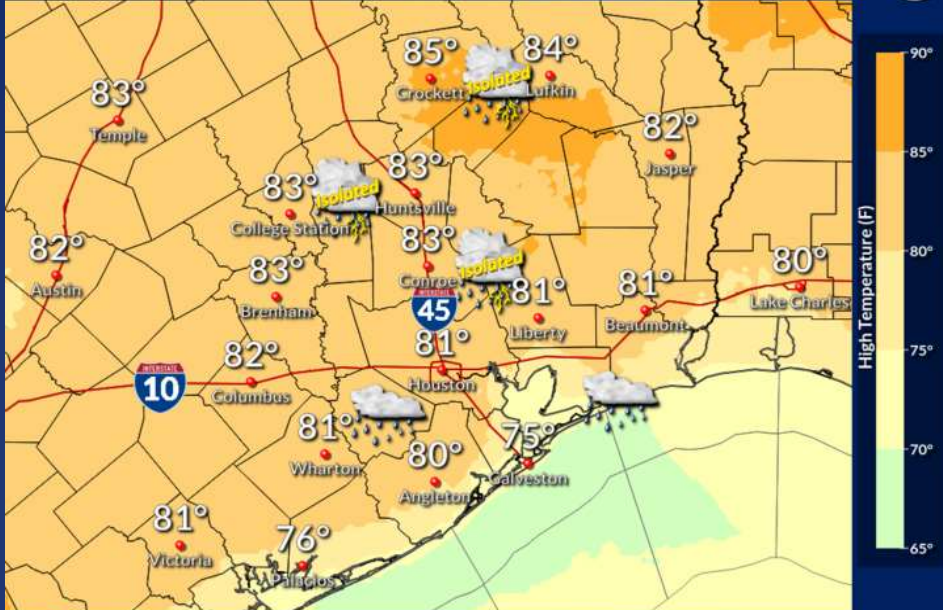


# Hazardous Weather

## Today's Forecast

Morning Fog, then a Chance for Showers and Thunderstorms

Weather Forecast Office  
Houston/Galveston TX  
Issued Mar 16, 2021 3:41 AM CDT



@NWSHouston

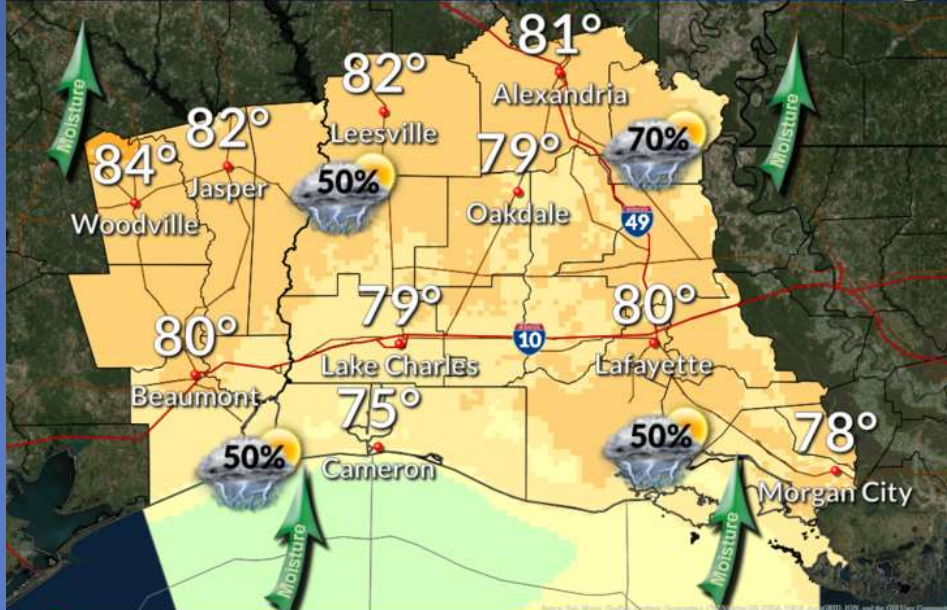
weather.gov/hgx

Areas of fog, some locally dense are expected this morning. Some showers are expected today with isolated thunderstorms possible this afternoon.

## Today

Scattered showers and T-storms. High in the mid 70s to mid 80s.

Weather Forecast Office  
Lake Charles, LA  
Issued Mar 16, 2021 5:42 AM CDT



NWSLakeCharles

weather.gov/lch

Scattered showers and thunderstorms will be possible as our next weather maker develops over North Texas. Highs will be in the mid 70s to mid 80s with south winds 10 to 15 mph.

# Hazardous Weather

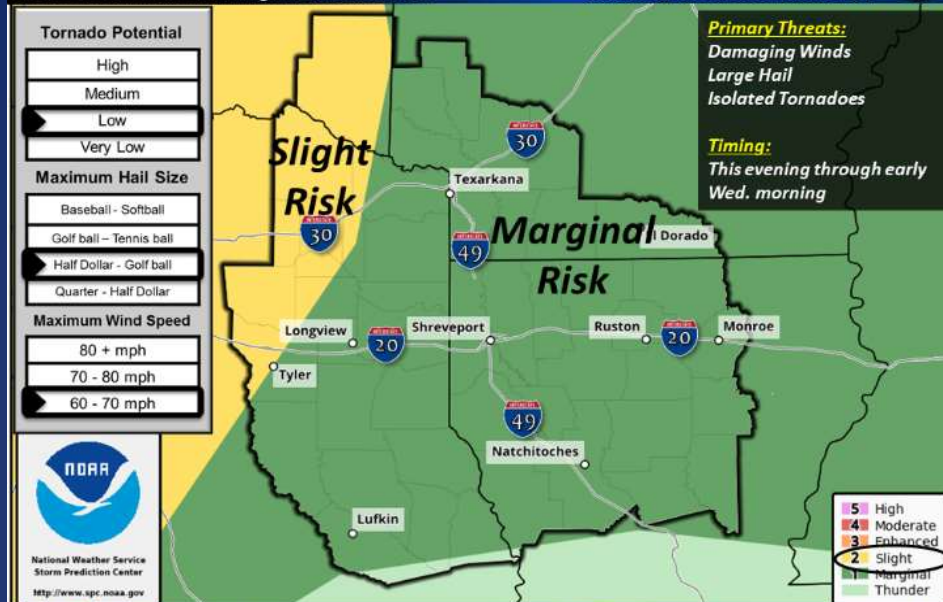
## Severe Weather Risk –Today & Tonight

Valid from Tue 7:00 AM through Wed 7:00 AM CDT

Weather Forecast Office

Shreveport, LA

Issued March 16, 2021 2:47 AM CT



NWS Shreveport

weather.gov/shv

A few severe thunderstorms will be possible today through tonight. Large hail and damaging winds will be the primary threats.

## A Few Strong or Severe Storms Tonight

Weather Forecast Office

Fort Worth, TX

Issued March 16, 2021 2:54 AM CT



A line of storms will develop just west of the area around midnight and accompany a cold front eastward through most of North and Central Texas.



The main time window for thunderstorms is between midnight and 7 AM.



Primary hazards are hail & damaging winds.

We can't rule out a tornado overnight, but this potential appears rather low with this particular system.

Storms will be exiting the area to the east around or shortly after daybreak Wednesday.

"What should I do to prepare?"

- Have two (or more!) ways to get weather warnings at night, even while you're asleep.
- Use covered parking if available just in case there is hail at your location.
- Check for any forecast updates before bed.

NWS Fort Worth

weather.gov/fortworth

A line of storms is expected to develop just west of the area around midnight and move through most of North and Central Texas between midnight and 7 AM. A few portions of the line could be strong or severe with threats for damaging winds and hail. The tornado potential with this system appears rather low at this time. All activity should be exiting the area to the east around daybreak Wednesday or shortly after.

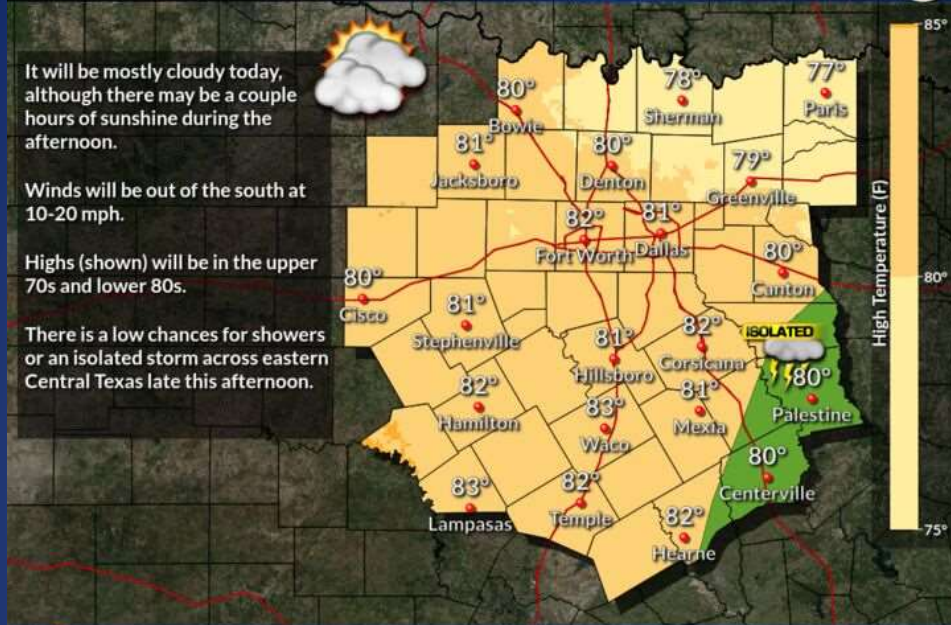


# Hazardous Weather

## Today: Warm, Humid, Mostly Cloudy

Low chance for showers/storms southeast late afternoon

Weather Forecast Office  
Fort Worth, TX  
Issued Mar 16, 2021 3:31 AM CDT



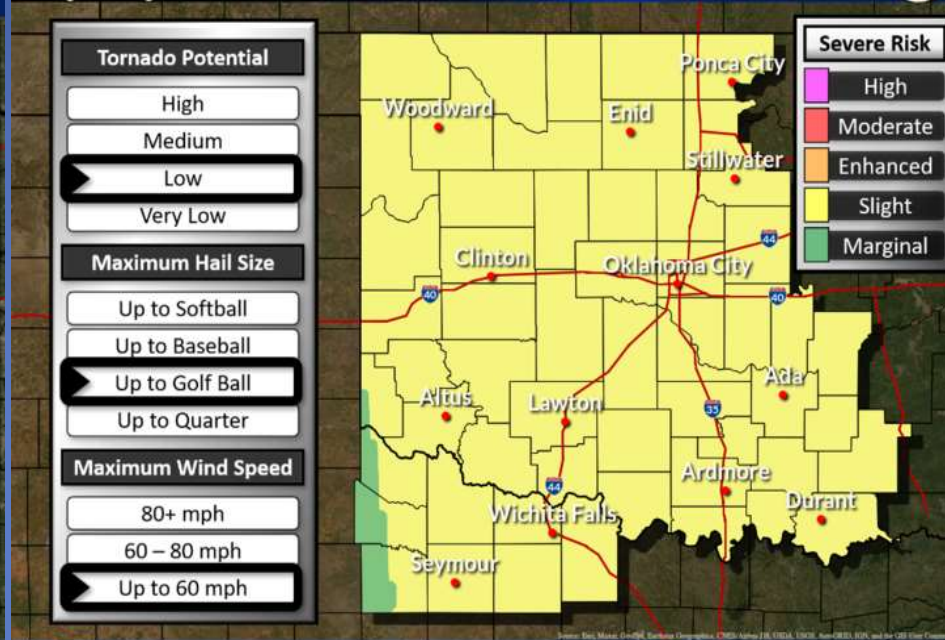
NWSFort Worth

weather.gov/fortworth

## Tuesday Severe Thunderstorms

Evening & Overnight

Weather Forecast Office  
Norman, OK  
Issued Mar 16, 2021 2:33 AM CDT



NWSNorman

weather.gov/norman

It will be mostly cloudy today, although there may be a couple hours of sunshine during the afternoon. Winds will be out of the south at 10-20 mph. Highs will be in the upper 70s and lower 80s. There is a low chances for showers or an isolated storm across eastern Central Texas late this afternoon.

Increasing thunderstorms coverage of thunderstorms is expected in the evening and overnight. Large hail will be the primary threat, but strong winds and isolated tornadoes will also be possible.



# Hazardous Weather

## Tornado Potential Tuesday

Timing: 8 PM Tuesday to 1 AM Wednesday

Weather Forecast Office  
Norman, OK  
Issued Mar 16, 2021 2:50 AM CDT



Source: Esri, Mapbox, DeLorme, GeoEye, CNES-Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

[weather.gov/norman](http://weather.gov/norman)

## Time for Severe Thunderstorms

Tuesday Evening and Early Wednesday

Weather Forecast Office  
Norman, OK  
Issued Mar 16, 2021 2:58 AM CDT



### Most Likely Time for Severe Storms

7 PM - 1 AM

9 PM - 4 AM

12 AM - 6 AM



Source: Esri, Mapbox, DeLorme, GeoEye, CNES-Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

[weather.gov/norman](http://weather.gov/norman)

Vertical wind shear will be very strong this evening when a line or complex of thunderstorms moves into Oklahoma. A few of the thunderstorms could produce a tornado.

Most of the severe storms will occur late evening Tuesday until around sunrise Wednesday.

# Hazardous Weather

## Tuesday Weather

Warm and breezy

Weather Forecast Office  
Lubbock, TX  
Issued Mar 16, 2021 3:39 AM CDT



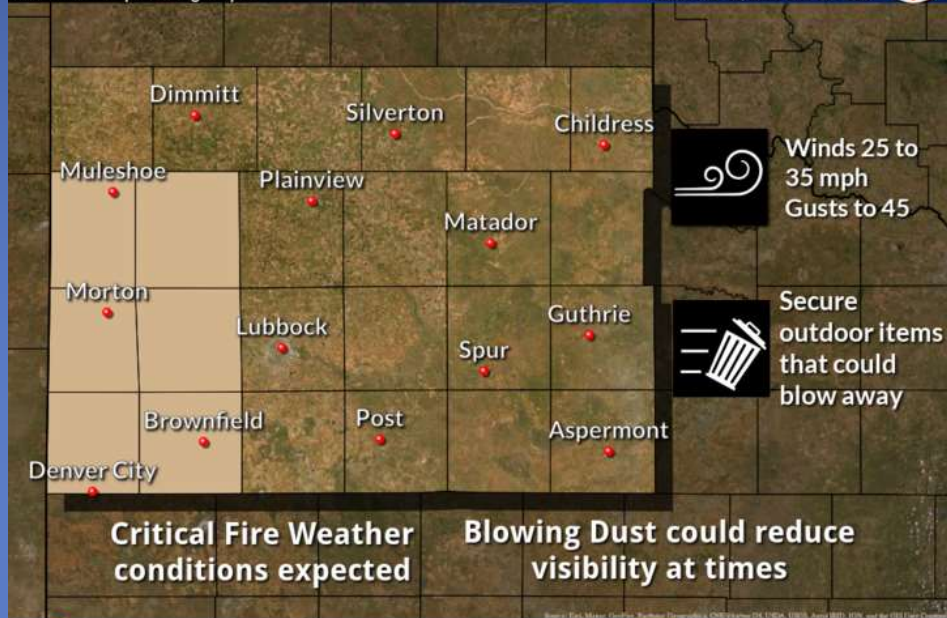
NWSLubbock

weather.gov/lub

## Wind Advisory

In effect from 4pm through 11pm

Weather Forecast Office  
Lubbock, TX  
Issued Mar 16, 2021 3:57 AM CDT



NWSLubbock

weather.gov/lub

Critical fire weather conditions are expected across the western South Plains and extreme southern Texas Panhandle, with elevated fire weather conditions possible along the immediate I-27/US 87 corridor. Outdoor burning is discouraged. Southwesterly winds will increase to 20-30 mph, with locally higher gusts, beneath a sunny sky. A Pacific front will move through late tonight, shifting winds to the west and remaining breezy overnight.

Strong winds will spread over the western and southwestern South Plains late this afternoon into the evening.

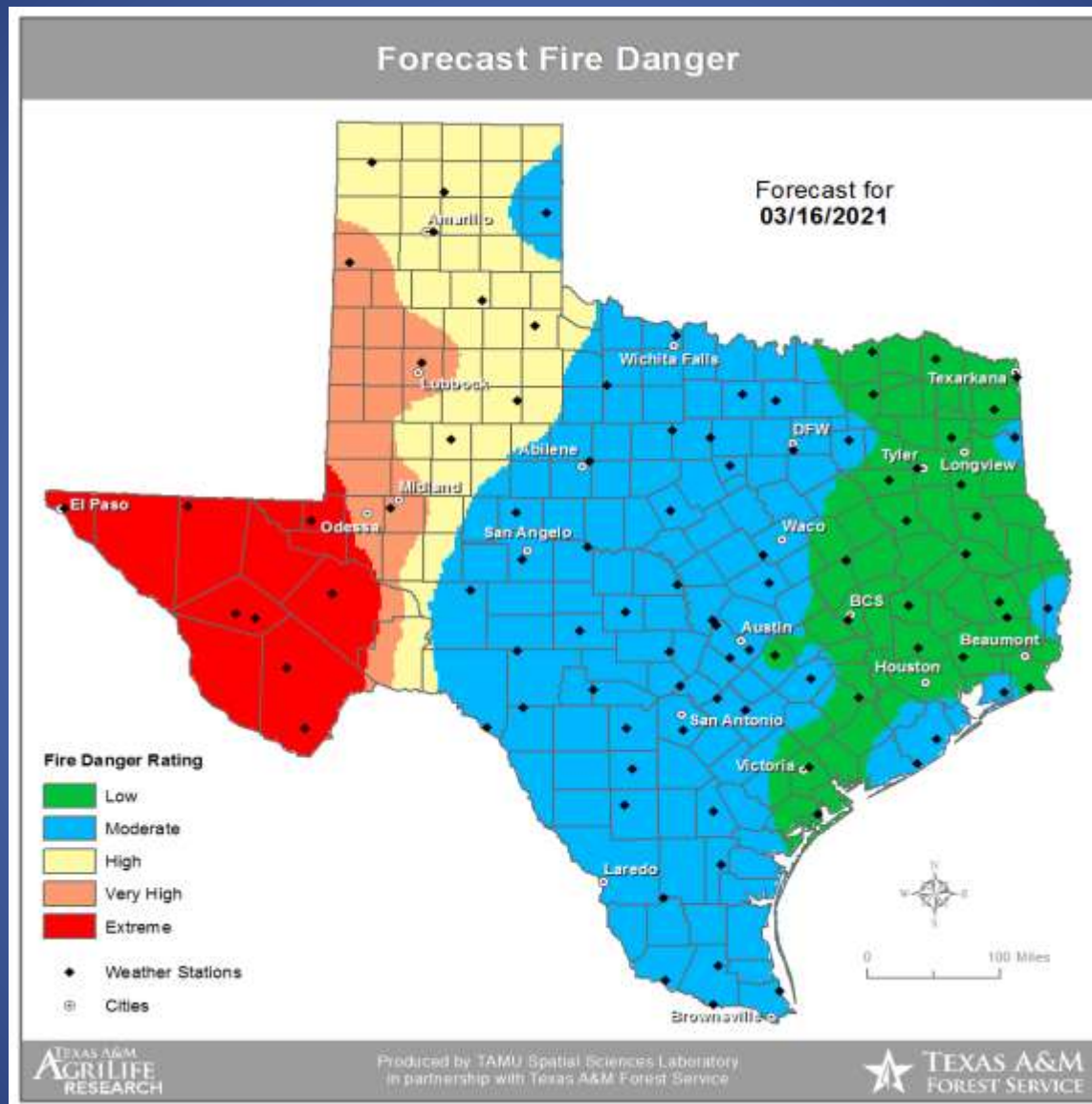


# Weather Warnings/Advisories Issued

DATE	WARNING TYPE	LOCATION
03/16/21	High Wind Warning	Culberson, El Paso and Hudspeth Counties; Guadalupe and Delaware Mountains affecting Culberson County
03/16/21	Blowing Dust Advisory	El Paso and Hudspeth Counties



# Fire Danger Forecast



# Burn Ban

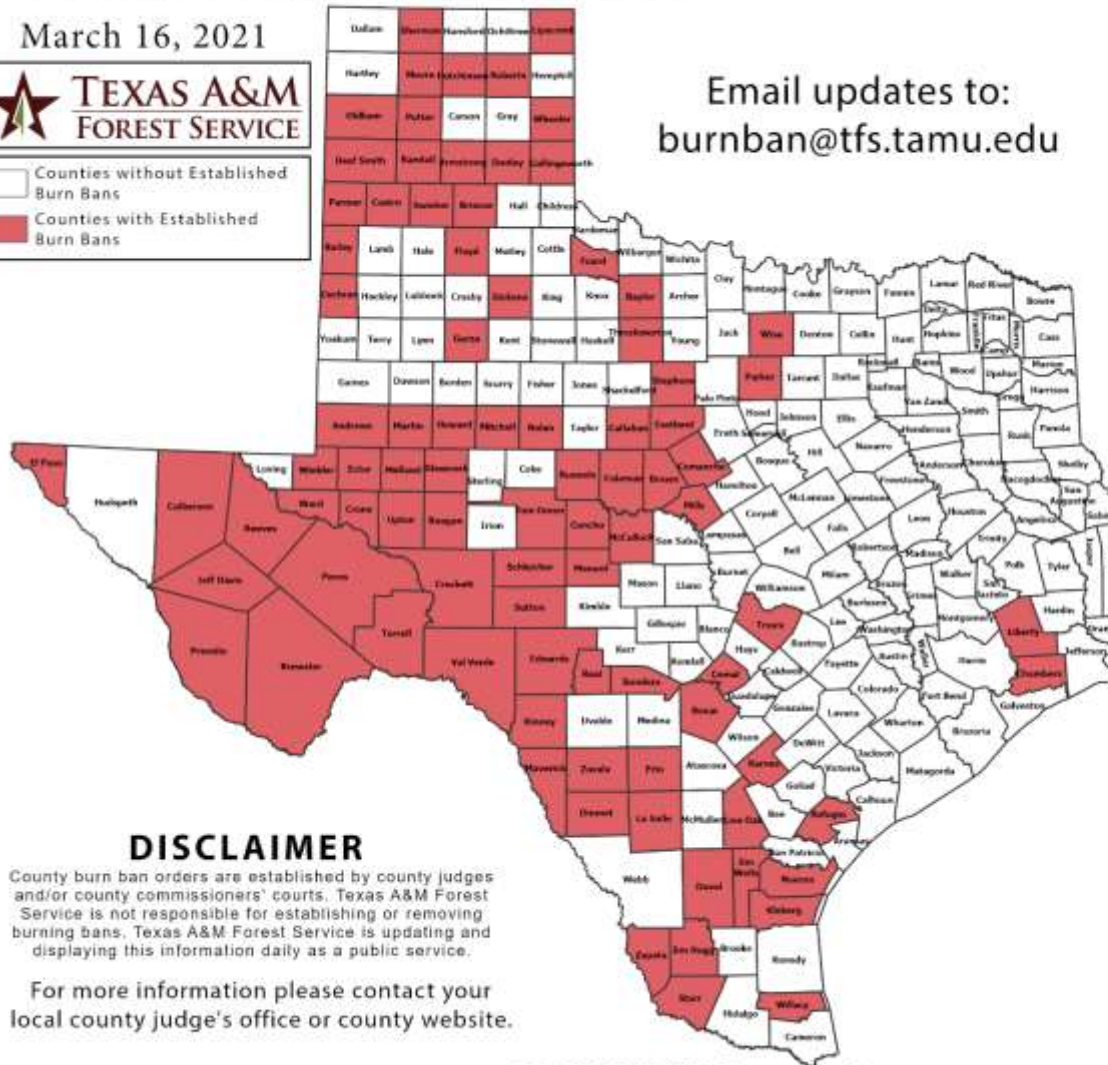
## OUTDOOR BURN BANS

March 16, 2021



☐ Counties without Established Burn Bans  
☒ Counties with Established Burn Bans

Email updates to:  
burnban@tfs.tamu.edu



### Counties with Burn Bans: 89

Andrews	Lipscomb
Armstrong	Live Oak
Bailey	McCulloch
Bandera	Martin
Baylor	Maverick
Bexar	Menard
Brewster	Midland
Briscoe	Mills
Brown	Mitchell
Callahan	Moore
Castro	Nolan
Chambers	Nueces
Cochran	Oldham
Coleman	Parker
Collingsworth	Parmer
Comal	Pecos
Comanche	Potter
Concho	Presidio
Crane	Randall
Crockett	Reagan
Culberson	Real
Deaf Smith	Reeves
Dickens	Refugio
Dimmit	Roberts
Donley	Runnels
Duval	Schleicher
Eastland	Sherman
Ector	Starr
Edwards	Stephens
El Paso	Sutton
Floyd	Swisher
Foard	Terrell
Frio	Throckmorton
Garza	Tom Green
Glasscock	Travis
Howard	Upton
Hutchinson	Val Verde
Jeff Davis	Ward
Jim Hogg	Wheeler
Jim Wells	Willacy
Karnes	Winkler
Kinney	Wise
Kleberg	Zapata
La Salle	Zavala
Liberty	

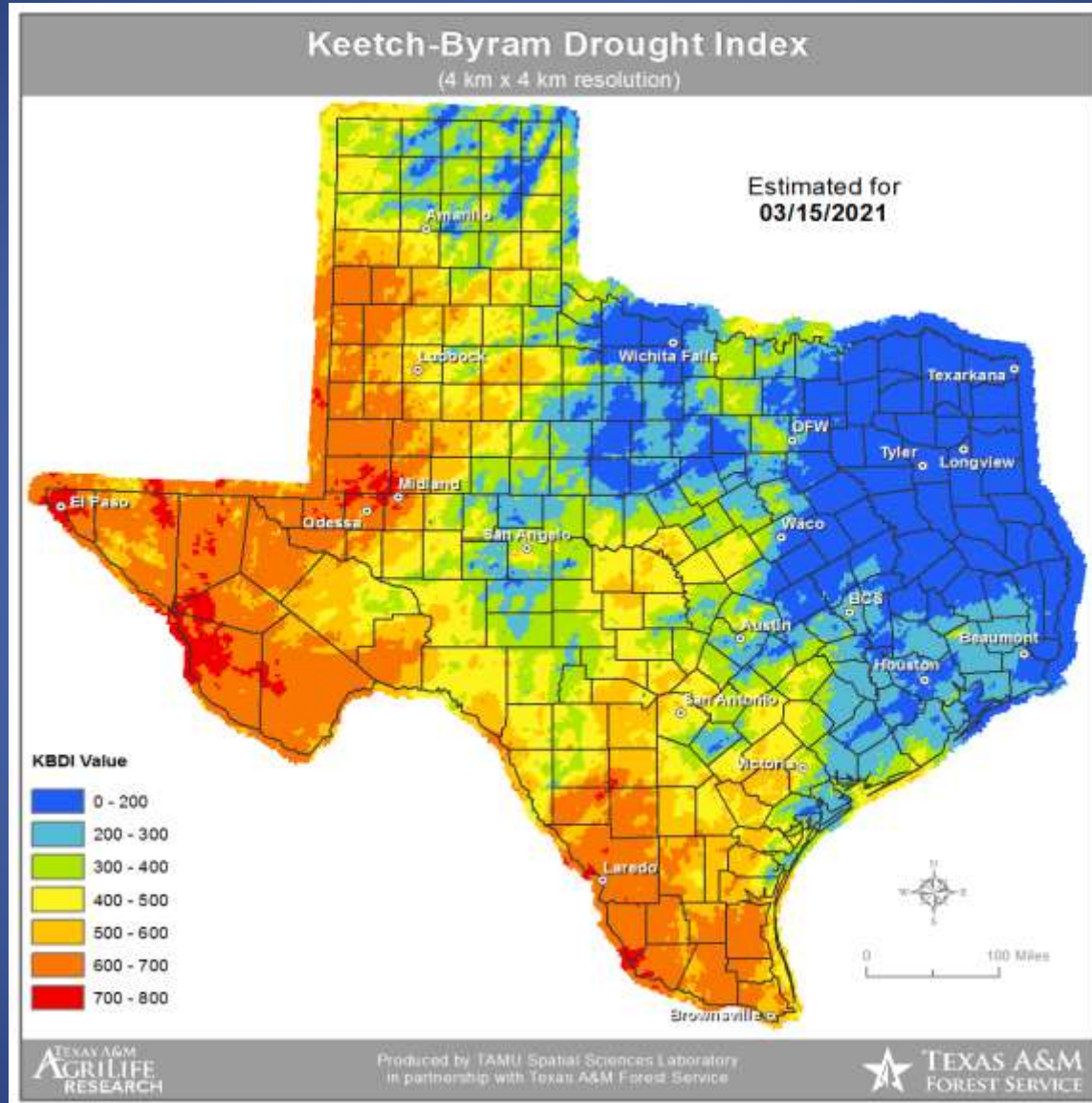
### DISCLAIMER

County burn ban orders are established by county judges and/or county commissioners' courts. Texas A&M Forest Service is not responsible for establishing or removing burning bans. Texas A&M Forest Service is updating and displaying this information daily as a public service.

For more information please contact your local county judge's office or county website.

RED FLAG WARNINGS: [www.weather.gov](http://www.weather.gov)  
Additional map formats available at <https://tfsweb.tamu.edu/Burnbans/>

# Keetch-Byram Drought Index



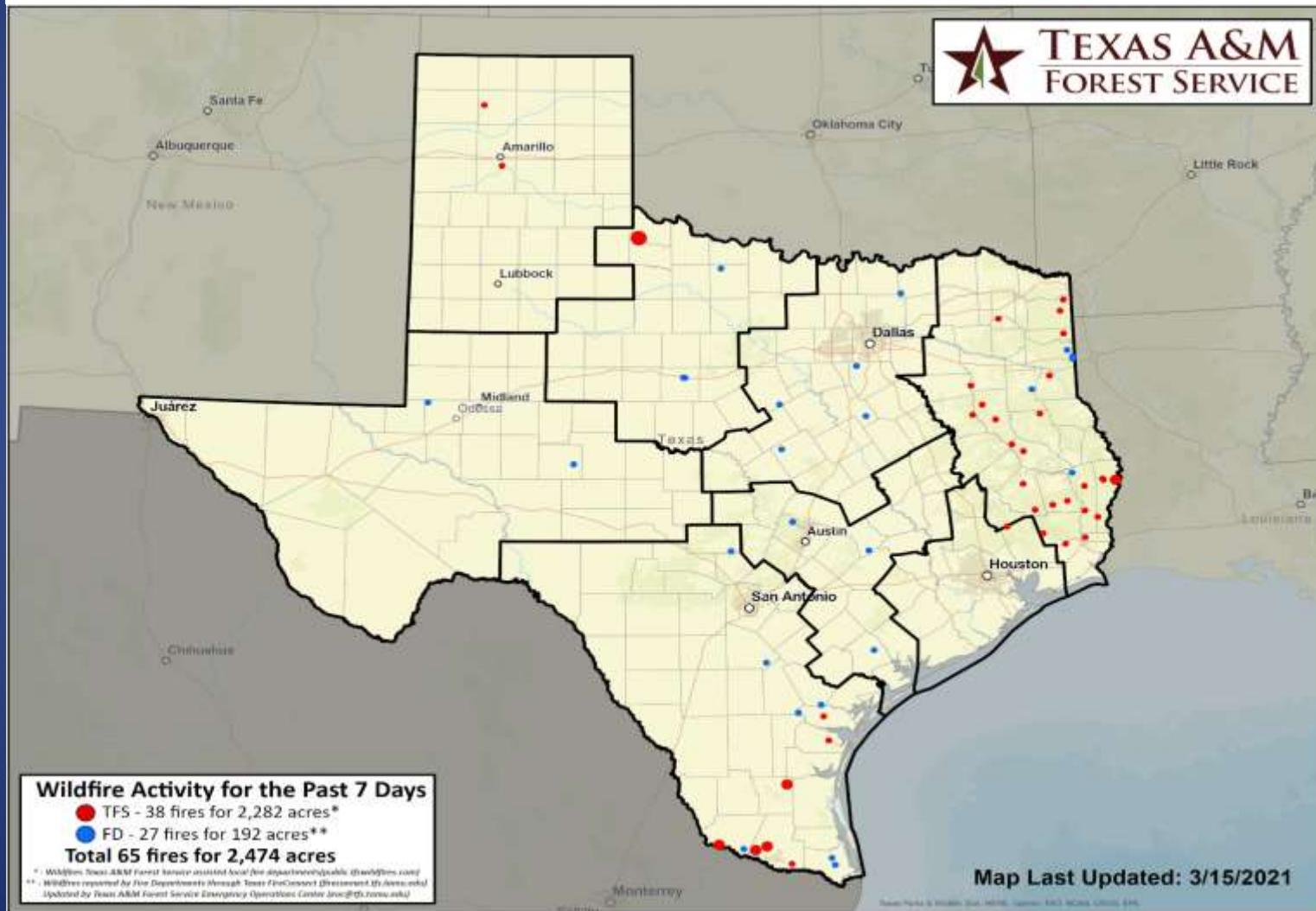


# Fire Weather Warnings/Watches/Statements

DATE	WARNING TYPE	LOCATION
03/16/21	Red Flag Warning	Andrews, Bailey, Brewster, Castro, Cochran, Culberson, Deaf Smith, El Paso, Gaines, Hockley, Hudspeth, Jeff Davis, Lamb, Loving, Oldham, Parmer, Presidio, Reeves, Terry, Ward, Winkler and Yoakum Counties
03/16/21	Fire Danger Statement	Hale, Lubbock, Lynn, Potter, Randall and Swisher Counties; Palo Duro Canyon

# Fire Activity (\*Last 24 Hours)

Reports of 140 (+11) fires and 16,396 (+701) acres destroyed this year. There are 89 (-5) with burn bans. The Keetch-Byram Drought Index list 95 (+1) counties with an average over 400.





# Training

DATES		TITLE	COURSE	LOCATION
10/31/20	03/20/21	Community Emergency Response Team (CERT) Course	G-317	La Grulla
03/06/21	03/20/21	Community Emergency Response Team (CERT) Course	G-317	Kyle
03/16/21	03/16/21	HazMat Refresher Training	H-302	Midland
03/16/21	03/16/21	Texas Public Officials Workshop	G-200	El Paso
03/16/21	03/16/21	Texas Public Officials Workshop	G-200	El Paso

# Statewide Significant Events

DATE(S)		LOCATION	EVENT
01/12/21	05/24/21	Austin	87th Texas Legislature
03/06/21	03/21/21	Houston	Spring Break at Hermann Park
03/12/21	03/20/21	Austin	South by Southwest (SXSW)